

# Electronic Patent Application Submission

## USPTO Use Only

EFS ID: 20286

Application ID: 10065862

Title of Invention: COMBUSTIBLE GAS DETECTION  
SYSTEMS AND METHOD THEREOF

First Named Inventor: Edward Demarest

Domestic/Foreign Application: Domestic Application

Filing Date: null

Effective Receipt Date: 2002-11-26

Submission Type: Utility Patent Filing

Filing Type: new-utility

Confirmation Number: 0

Attorney Docket Number: DSC-02043

Digital Certificate Holder: cn=Dave S. Christensen, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US

Certificate Message Digest: 93Ru3YOPAnxNshtrA1/QAA==

Total Fees Authorized: \$989.0

Payment Category: CC - Credit Card

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RAM User ID: EFSPROD

RAM Accounting Date: 2002-11-26

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# TRANSMITTAL FORM

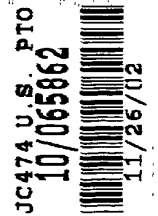
Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

DSC-  
02043



## COMBUSTIBLE GAS DETECTION SYSTEMS AND METHOD THEREOF

First Named Inventor: Mr. Edward Demarest

### SUBMITTED BY

Name:	Mr. Dave Scot Christensen
Registration Number:	40,955
Electronic Signature Mark: ~dsc	Date Signed: 20021126

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	Decl1.tif
declaration	Decl2.tif
declaration	Decl3.tif
declaration	Decl4.tif

declaration	Decl5.tif
patent--assignments	02-043asgn.xml
us-information-disclosure-statement	02-043ids.xml
specification	DSC02043_application2.xml
bibd-transmittal	02-043apds.xml
fee-transmittal	02-043fee.xml

**Attached Image File(s):**

Decl1.tif  
Decl2.tif  
Decl3.tif  
Decl4.tif  
Decl5.tif

Comments:

NOV. 25. 2002 4:29PM PROTON ENERGY SYST

NO. 362 P. 2

PTO/SB/01 (1)

Approved for use through 10/31/2002. CMB 0651-4

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number DSC-02043

First Named Inventor Demarest

**COMPLETE IF KNOWN**

Application Number

Filing Date

11/26/2002

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**COMBUSTIBLE GAS DETECTION SYSTEMS AND METHOD THEREOF**

(Title of the invention)

the specification of which

☒ Is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(If applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed		Certified Copy Attached	
			YES	NO	YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>


☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

PTO/SB/01 (Approved for use through 10/31/2002. OMB 065)  
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**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label		OR <input type="checkbox"/>	Correspondence address belo
31661 PATENT TRADEMARK OFFICE					
Name					
Address					
City		State		ZIP	
Country		Telephone		Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and bells are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like s made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize th validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR :				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Edward (first and middle [if any])			Family Name Demarest or Surname		
Inventor's Signature <i>Edward Demarest</i>			Date 11/25/02		
Bristol Residence: City		CT State	USA Country	USA Citizenship	
Mailing Address 22 Willoughby Street					
Bristol City		CT State	06010 ZIP	USA Country	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name John (first and middle [if any])			Family Name Koopman or Surname		
Inventor's Signature <i>John Koopman</i>			Date 11/25/02		
Colchester Residence: City		CT State	USA Country	USA Citizenship	
Mailing Address 84 Pine Brook Road					
Colchester City		CT State	06415 ZIP	USA Country	
<input checked="" type="checkbox"/> Additional inventors are being named on the 3 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

[Page 2 of 2]

NOV. 25. 2002 4:29PM PROTON ENERGY SYST

NO. 362 P. 4

PTO/SB/02A (10

Approved for use through 10/31/2002, OMB 0851-C

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**DECLARATION****ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
Page 1 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: Norman		Family Name or Surname: Schaefer	
Inventor's Signature: <i>Norman Schaefer</i>		Date: 11/26/02	
Riverton	CT	USA	USA
Residence: City	State	Country	Citizenship
P.O. Box 344			
Mailing Address			
Riverton	CT	08085	USA
City	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: Andrew ANDRZEJ		Family Name or Surname: Stanek	
Inventor's Signature: <i>Andrew Stanek</i>		Date:	
Meriden	CT	USA	USA
Residence: City	State	Country	Citizenship
1655 N. Colony Road			
Mailing Address			
Apartment 4007			
Meriden	CT	06450	USA
City	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: Iris		Family Name or Surname: Shiroma	
Inventor's Signature: <i>Iris Shiroma</i>		Date: 11/26/02	
New Haven	CT	USA	USA
Residence: City	State	Country	Citizenship
93 Orange Street			
Mailing Address			
Apt 302			
New Haven			
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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NO.362 P.5

PTO/SB/02A (10)

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**DECLARATION****ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
Page 2 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: Allan		Family Name or Surname: Tomasco	
Inventor's Signature: <i>Allan R. Tomasco</i>		Date:	
Southington	CT	USA	USA
Residence: City	State	Country	Citizenship
59 Woodberry Hill Drive			
Mailing Address			
Mailing Address			
City: Southington	CT	06489	USA
	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: Elena		Family Name or Surname: Stockton	
Inventor's Signature: <i>Elena</i>		Date: 11/26/02	
Wallingford	CT	USA	USA
Residence: City	State	Country	Citizenship
776 North Farms Road			
Mailing Address			
Mailing Address			
City: Wallingford	CT	06492	USA
	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name: Frano		Family Name or Surname: Barbir	
Inventor's Signature: <i>Frano Barbir</i>		Date: 11/26/02	
Rocky Hill	CT	USA	USA
Residence: City	State	Country	Citizenship
Mailing Address: 300 Cold Springs Road - B 1203 GRAY FOX LN			
Mailing Address: Apartment 201			
City: Rocky Hill	CT	06067	USA
	State	ZIP	Country

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page 3 of 3
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Name of Additional Joint Inventor, if any:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
--	---

Given Name <b>John</b>	Family Name or Surname <b>Zagaja</b>
---------------------------	---

Inventor's Signature 	Date <b>11/26/02</b>
---	-------------------------

Residence: City <b>East Granby</b>	CT State	USA Country	USA Citizenship
---------------------------------------	-------------	----------------	--------------------

Mailing Address <b>23 Alderman Lane</b>			
--	--	--	--

Mailing Address			
City <b>East Granby</b>	CT State	08026 ZIP	USA Country

Name of Additional Joint Inventor, if any:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
--	---

Given Name <b>Thomas</b>	Family Name or Surname <b>Skoczyas</b>
-----------------------------	---

Inventor's Signature 	Date <b>11/25/02</b>
---	-------------------------

Residence: City <b>Gulford</b>	CT State	USA Country	USA Citizenship
-----------------------------------	-------------	----------------	--------------------

Mailing Address <b>1130 West Lake Avenue</b>			
---	--	--	--

Mailing Address			
City <b>Gulford</b>	CT State	08437 ZIP	USA Country

Name of Additional Joint Inventor, if any:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
--	---

Given Name <b>Lawrence</b>	Family Name or Surname <b>Moulthrop</b>
-------------------------------	--

Inventor's Signature 	Date <b>11/26/02</b>
---	-------------------------

Residence: City <b>Windsor</b>	CT State	USA Country	USA Citizenship
-----------------------------------	-------------	----------------	--------------------

Mailing Address <b>244 Carriage Way</b>			
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Mailing Address			
City <b>Windsor</b>	CT State	06095 ZIP	USA Country

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# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Small Entity

Small Business Concern

**TOTAL FEES AUTHORIZED: \$ 989**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 1008  
 Expiration Date: 20031031  
 Authorized Name: Dave S Christensen  
 Billing Address: 06791

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	2001	\$ 370

Subtotal For Basic Filing Fee: \$ 370

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 61	2202	\$ 9	41	\$ 369
Independent Claims: 8	2201	\$ 42	5	\$ 210

Subtotal For Extra Claims Fees: \$ 579

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40